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Alternative Fuel Systems: Overview

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✧ **Alternative Fuel Systems**

- Requires EPA / CARB Certification
- Engine Family Specific

✧ **Installation**

- Must Follow NFPA Guidelines
- Application Specific
- Customer Specific

- 49-state Certification
- 50-state Certification

✖ CARB Executive Order

- California
- Selected States

✖ Testing At Recognized Lab

- Results Submitted to regulatory agency



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Engine Family Specifications:

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✧ *EXAMPLE:* 5FMXV04.6 VE8

✧ Model Year

✧ Manufacturer

✧ Engine Type

✧ Engine Size (Liters)

✧ Fuel System Type

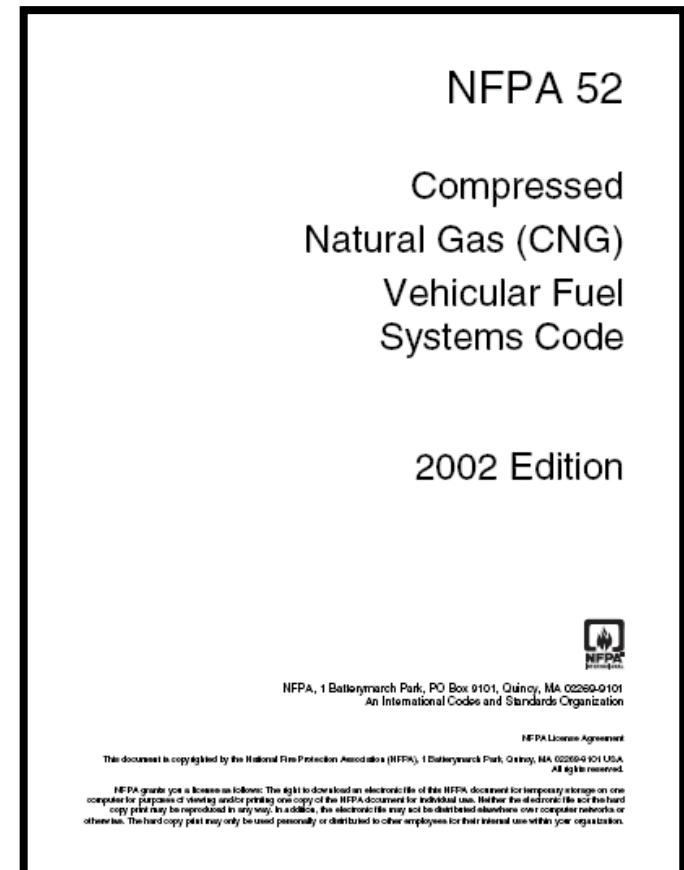
✧ Emission Controls

- Catalyst
- EGR
- Throttle Control

NFPA Specifications

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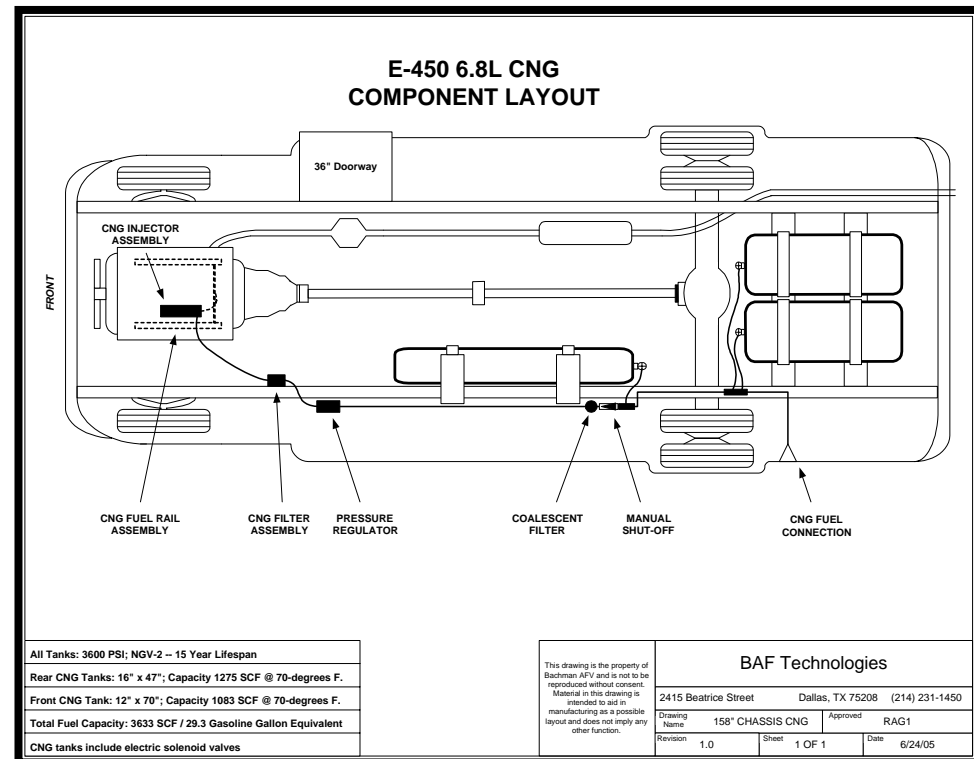
- ✘ Required Components
 - Component Qualifications
- ✘ Installation Guidelines
- ✘ Required Labels
- ✘ System Testing
- ✘ Maintenance and Repair Methods



Application Specific Variations

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- ✖ System Manufacturer
- ✖ Available Space
- ✖ Weight Restrictions
- ✖ Height Restrictions
- ✖ Ground Clearance
- ✖ Protective Shielding
 - Damage or Debris
 - Exhaust
 - Sunlight



Customer Specifications

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✧ System Manufacturer

✧ Space Restrictions

✧ Fuel Range

✧ Tank Design

- Type-1
- Type-2
- Type-3
- Type-4

✧ Fill Location(s)



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✧ Pickup Truck

- Bed-mount
- Cover Required



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✧ Bus Chassis

- Underbody-mount
- Shielding Required



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✧ HD Truck

- Frame-mount



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✧ HD Truck

- Ladder Rack Mount



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✧ HP Modular Panel

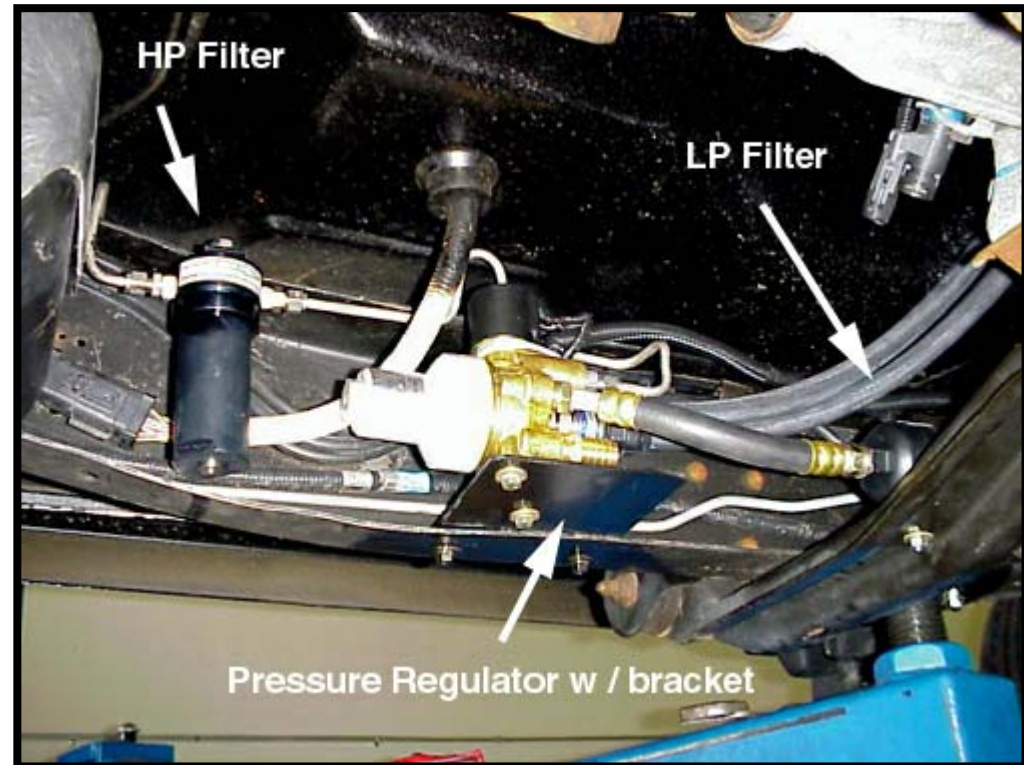


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✧ System Components

- Fill Receptacle
- Check Valve
- HP Filter
- Pressure Regulator
- HP Plumbing
 - SS Tubing
 - Hoses
- LP Hose(s)



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- ✧ Vapor Venting
 - Passenger Area
 - Trunk



BAF Technologies: Contact Information

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Thank You